

Relive the Moment

With Adobe RGB wide color space

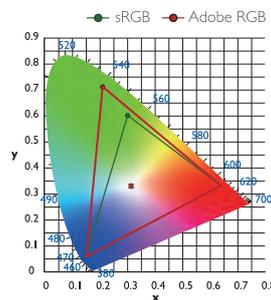


AQCOLOR Ensures Accurate Colors for Photographers

● Accuracy Delivers the Ultimate Fidelity

Accurately reproducing the color gamut brings the scene right back to your eyes.

BenQ PhotoVue Photographer monitors SW series have been certified by Technicolor, which guarantees the color temperature, gamut, gamma curve and color differences are well within Technicolor's requirement. The SW series monitors comply with 99% Adobe RGB, 100% sRGB, and 100% Rec.709 color gamut specifications with 10-bit IPS panel, allowing the original colors to be accurately transformed and reproduced from the actual scene with full details and color tones. Image review and retouching can be done in great color precision, and the final reproduction can be guaranteed.



Elevate Productivity with Our Enhanced Features

● GamutDuo

Switch to PIP/PBP mode for multitasking in GamutDuo viewing. This mode enables you to simultaneously display content side-by-side in two different color spaces, such as Adobe RGB and sRGB.

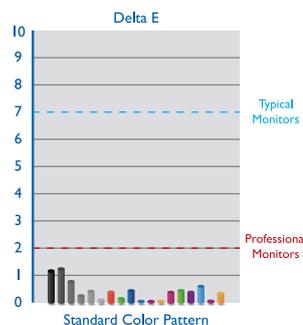
*GamutDuo is functioned under PIP/PBP mode



Two Sources with Two Colors

● Reproduce Accurate Colors You Can Trust

The factory-calibrated SW series monitors can significantly improve color blending accuracy with built-in 14-bit 3D LUT, resulting in impeccable color and gray tone reproduction. Therefore, Delta E₂ could be delivered under both Adobe RGB and sRGB color gamut. BenQ's exclusive Palette Master Element calibration software incorporates hardware calibration technology, which allows photographers to adjust the monitor's internal image processing IC without being altered by graphics card's data. Users can use calibrators from both X-rite and DataColor to implement Palette Master Element calibration and achieve consistent and accurate colors in their workflow easily.



Hardware Calibration

Hardware calibration allows you to adjust the image processing chip in the monitor without changing the graphics card output data. It keeps images consistent with its original copies without being affected by graphic settings.

Proprietary Palette Master Element Calibration Software

With the use of Palette Master Element and a calibrator, you can tune and maintain the color performance of the monitor at its most optimal state.

High Dynamic Range (HDR)

HDR is an abbreviation for High Dynamic Range which increases the overall dynamic range between black and white so the resulting image appears closer to what your eyes see in the natural world.

● Shading Hood

The SW Series includes a detachable shading hood that effectively reduces the monitor's screen glare resulting from ambient lighting, ensuring superb color accuracy required for professional work. The shading hood can rotate vertically, allowing for attachment in both landscape and portrait viewing orientations.

● Hotkey Puck

The Hotkey Puck is a remote controller that comes with three preset buttons, each set up with a customized display setting such as Adobe RGB, sRGB, Black and White. This allows you to switch effortlessly between the presets without going through complicated settings. The Hotkey Puck also comes with a button for Hotkey Puck navigation and setting.

BenQ SW Series PhotoVue Photographer Monitors



Model Name	SW2700PT	SW320	SW271
Panel Type	IPS	IPS	IPS
Backlight Technology	LED backlight	LED backlight	LED backlight
Resolution (max.)	2560x1440	3840x2160	3840x2160
Color Gamut	99% AdobeRGB, 100% sRGB /Rec. 709	99% AdobeRGB, 100% sRGB /Rec. 709	99% AdobeRGB, 100% sRGB/ Rec. 709 , 93% DCI-P3
PPI	109	140	163
Display Screen Coating	Anti-Glare	Anti-Glare	Anti-Glare
3D-LUT	14bits	14bits	14bits
Brightness Uniformity	-	-	-
Hardware Calibration	Yes	Yes	Yes
Factory Calibration Report	Yes	Yes	Yes
Palette Master Element Calibration Software	Yes	Yes	Yes
Palette Master Calibration Software	-	-	-
DisplayPilot Software	-	-	-
Height Adjustment (mm)	130	150	150
Input	DVI-DLx1, HDMI(v1.4)x1, DisplayPort(v1.2)x1	HDMI(v2.0)x1, DisplayPort(v1.4)x1, MiniDisplayPort(v1.4)x1	HDMI(v2.0)x2, DisplayPort(v1.4)x1, USB-C(PD10W, DP Alt mode, Data)
Hotkey Puck	Yes	Yes	Yes
Signal Cable	DVI-DL cable(1.8m), mDP to DP cable(1.8m) USB 3.0 cable(1.8m)	HDMI cable 2.0(1.8m), mDP to DP cable(1.8m), USB 3.0 cable(1.8m)	USB type-C cable(1m), mDP to DP cable(1.8m), HDMI 2.0 cable(1.8m), USB 3.1 cable(Gen 1)(1.8m)
Technicolor Certification	-	Yes	Yes
Solidworks Certification	-	-	-

BenQ PV Series VideoVue Video Post-Production Monitors



Model Name	PV3200PT	PV270	PV271
Panel Type	IPS	IPS	IPS
Resolution	3840 x 2160	2560 x 1440	3840 x 2160
Color Gamut	100% Rec.709	96% DCI-P3, 99% AdobeRGB, 100% Rec 709 / sRGB	96% DCI-P3, 99% AdobeRGB, 100% Rec 709 / sRGB
PPI	138	109	163
Display Screen Coating	Anti-Glare	Anti-Glare	Anti-Glare
Contrast	1000:1	1000:1	10000:1
3D-LUT	14bits 17x17x17 points	14bits 17x17x17 points	14bits 17x17x17 points
Brightness Uniformity	Yes	Yes	Yes
Hardware Calibration	Yes	Yes	Yes
Factory Calibration Report	Yes	Yes	Yes
Palette Master Element Calibration Software	Yes	-	-
Palette Master Calibration Software	-	Yes	Yes
HDR Technology	-	-	HDR 10
Height Adjustment(mm)	150	150	150
Input	HDMI (v1.4)x1, DisplayPort (v1.2) x1, MiniDisplayPort (ver1.2) x1	DVI-DL x1, HDMI (v1.4)x1, DisplayPort (v1.2) x1, MiniDisplayPort (ver 1.2)x1	12G SDI x1 ,3G SDI x 4 ,HDMI (v2.0)x2 , DisplayPort (v1.4) x 1, Thunderbolt 3 x 1, RJ45 x1
Hotkey Puck	Yes	-	-
Signal Cable	mDP to DP cable(1.8m), HDMI cable(1.8m), USB3.0 cable(1.8m)	DVI-DL cable(1.8m),mDP to DP cable(1.8m),USB3.0 cable(1.8m)	mDP to DP cable(1.8m), HDMI cable(1.8m), Thunderbolt 3 cable (1m), USB3.0 cable(1.8m)
Technicolor Certification	Yes	Yes	-

AQCOLOR™

True Colors Right Before You

BenQ Professional Monitor



PhotoVue
SW Series



VideoVue
PV Series



Because it matters



AQCOLOR™ TECHNOLOGY

Devoted to meet the latest professional color standard, BenQ has developed AQCOLOR Technology to uphold the concept: "Accurate Reproduction". BenQ has invited experts to lead the team, and also actively participated in ICC (International Color Consortium) and ISO (International Standard Organization) to establish color-related standards and implementation.

Accurate Colors

Every monitor supported by AQCOLOR Technology is factory-calibrated and provides out-of-the-box image performance with the utmost color accuracy. Professionals can utilize brilliant colors and make inspirations come alive.

Industry Standard Color Space

Certified by Technicolor Color, the monitors supported by AQCOLOR Technology offer industry standard color space coverages including DCI-P3, Adobe RGB, Rec.709, and sRGB color gamut. Every professional is able to gain more flexibility to make color adjustments.

Reliable Color through Product Workflow

Video and image post-production projects are usually being distributed over a chain of professionals in different stations. But the question is: Does everyone see the same colors at their station's desktop? BenQ professional monitors ensure accurate and consistent color with AQCOLOR Technology throughout the video post-production workflow. From the rough cut phase, through the addition of effects, color correction and compositing, to the output stage, color is rendered with pinpoint accuracy so that results match intent perfectly.



Accurate Colors You Can Count On

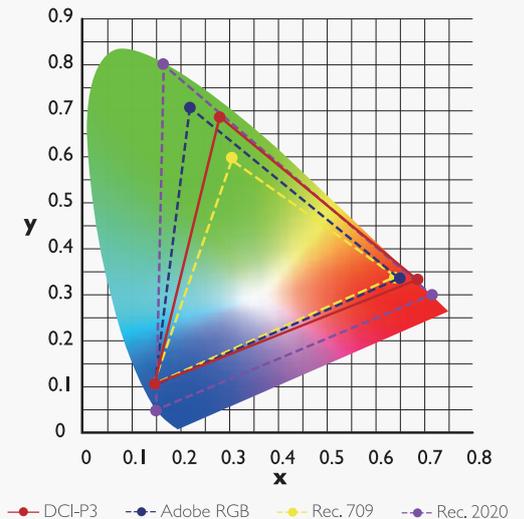
Professional-level imaging with DCI-P3 and Rec.709 color gamut support

AQCOLOR Ensures Accurate Colors for Videographers

● Accuracy Delivers the Ultimate Fidelity

Faithful reproduction of the original colors and ultra-wide color gamut unleash your creativity.

To pursue the most accurate and truthful color reproduction, BenQ VideoVue Video Post-Production Monitors PV series are certified by Technicolor, which guarantees the white point (color temperature), gamut, gamma curve and color differences (Delta E) are well within Technicolor's requirement. The factory-calibrated PV series monitors use 10-bit panel with DCI-P3, Rec.709 color gamut, allowing the original colors to be accurately transformed and reproduced from the actual scene with full details. The BenQ Uniformity Function offers ultimate brightness and color uniformity throughout the screen, which is achieved through fine-tuning thousands of sub regions on the entire screen. And the built-in backlight sensors also brilliantly compensate the diminishing effect and provide stable performance of LED backlight. BenQ VideoVue Video Post-Production Monitors PV series can ensure perfect color reproduction across VFX, composition and color grading.



Innovative Features to Support Your Creativity

An excellent video post-production monitor isn't only about specifications. It calls for innovative features which make it easier to convey your intent and achieve your desired results.

● Advanced 12G SDI

PV271 features cutting edge, multi rate 12G-SDI technology that's 8 times faster than regular HD-SDI. 12G-SDI is multi rate so it will automatically detect and change between SD, HD and Ultra HD video formats instantly, so you can connect to all of your existing SD and HD equipment. 12G-SDI supports Ultra HD up to 2160p60 on a single BNC cable so you can work in Ultra HD and keep your high frame rate production workflow for fast moving sports and action programming.

● GamutDuo

GamutDuo enables you to view video simultaneously in different color spaces side-by-side for added comparison, convenience and reliability. Moreover, videos from two different sources can be handled this way for easy checking.

*Enable GamutDuo by changing to PIP/PBP mode

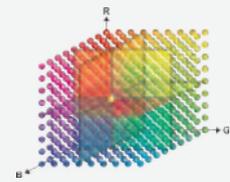


Two Sources with Two Colors



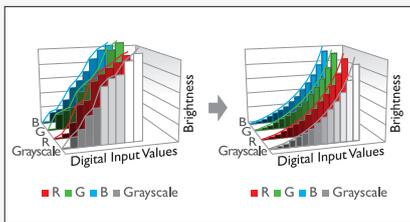
● Accurate Color Inspires Your Creativity

The factory-calibrated PV series monitors have built-in 14-bit 3D LUT with 17x17x17 points, nearly 5,000 different control points can perfectly provide the precise target color gamut, such as Rec.709 and DCI-P3. For video professionals to maintain color accuracy easily, PV series monitors are also equipped with BenQ's exclusive Palette Master Calibration software, allowing professionals to adjust the monitor's internal image processing IC without being altered by graphics card's data. Furthermore, the professionals could also develop their own 3D LUT with the help of 3rd party software, and store into the monitor to diversify the color creativity in post-production.



Hardware Calibration

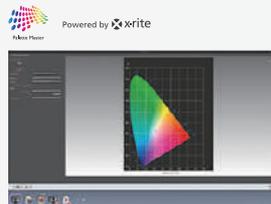
Hardware calibration allows you to adjust the image processing chip in the monitor without changing the graphics card output data. It keeps images consistent with its original copies without being affected by graphic settings.



Palette Master Calibration Software Regulates Performance

By using Palette Master and a calibrator, you can tune and maintain the monitor's color performance at its most optimal state.

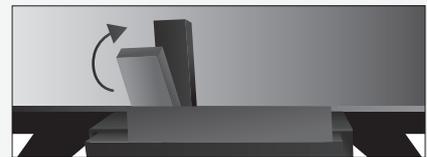
- * Calibrator purchased separately
- * Supported Platforms: Win7 or above, Mac OS 10.6,8 or above
- * Supported Calibrators: X-Rite i1 Display Pro / i1 Pro / i1 Pro 2



Built-In Self Calibrator

Automate your calibration with the Self Calibrator Sensor which is housed within the monitor's bottom bezel to maintain the color accuracy. The user can customize and schedule desired times for the sensor to flip out and automatically calibrate the monitor. Even if the monitor is switched off or not connected to a computer, self-calibration will be started on desired times to offer maintenance of the color.

- * The user is recommended to regularly calibrate the monitor with an external calibrator.



BenQ Uniformity Function

Fluctuations in brightness and chromaticity on different parts of the screen are common in LCD monitors. While BenQ's unique Uniformity Function offers ultimate brightness and color uniformity throughout the screen. The dedicated technology is achieved through fine-tuning thousands of sub regions on the entire screen for the users to enjoy a viewing experience of utmost image performance.



HDR Technology

HDR (High Dynamic Range) is a range that approximates the human perception of color and light as content is shown on a display device. A monitor that supports HDR is able to correctly show both very bright and very dark areas on the screen without sacrificing the integrity of either. BenQ PV series support Perceptual Quantization (PQ) curve, PQ curve approximates the human visual system in terms of color and light perception, making it ideal for films, streaming, and other video content. The PQ curve was also known as ST2084 which is standardized by the Society of Motion Picture and Television Engineers (SMPTE).

- * PV271 also supports local dimming which uses an area control backlight system to adjust the brightness of screen based on the displayed content.



● Video Format Support

PV series monitors support various 4K content formats as the HDMI connector supports 10-bit 4:2:2 at 50/60p and DisplayPort can transmit up to 10-bit 4:4:4 at 50/60p contents. 24P/25P video content can also be displayed at the correct cadence, without the need for pulldowns which distort playback of the source video. Work natively with camera original RAW files and virtually every other format for total control over your images at the highest quality possible.



* The actual supported formats vary by models